

I1-012



## Tetra Tech EM Inc.

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July 24, 1997

DWR WAREHOUSE

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CALFED Bay-Delta Program Office  
1416 Ninth Street, Suite 1155  
Sacramento, CA 95814

**Subject: CALFED INQUIRY SUBMITTAL, Coastal Waters Best Management Practices (BMP) Feasibility Study (FS), Fisherman's Wharf, San Francisco, California**

Dear CALFED,

Tetra Tech EM Inc. (EMI, formerly PRC Environmental Management, Inc.) is pleased to submit this inquiry with the Port of San Francisco to CALFED in response to the CALFED Bay-Delta Program Request for Proposals, 1997 Category III Ecosystem Restoration Projects and Program. EMI representatives attended the pre-submittal workshop of July 3, 1997, and are very interested in assisting CALFED to improve water quality and habitats in the Bay-Delta.

The subject inquiry was prepared by EMI in cooperation with the Port and the Fisherman's Wharf Environmental Quality Advisory Committee (EQAC). Our preparation included a field survey of the Wharf with EQAC. The Port and EQAC partners have provided supporting letters for this submittal (please see attachments).

The proposed project is a FS to improve the ecological, sanitary, and visual aspects of the Wharf through BMPs. A second phase will entail planning, design, permitting, and implementation of the management strategy. Benefits from the project will include reduction of water turbidity, decrease in hydrocarbon and nutrient releases, and decline in pollution which stresses saltwater aquatic life. With these improvements, the Wharf's waters will also provide a healthier swimming and recreational experience.

Please contact me by phone at (415) 222-8351 or by email at [popkinb@ttemi.com](mailto:popkinb@ttemi.com) should you have any questions concerning this submittal. I look forward to the opportunity presented by working with CALFED on this project.

Sincerely,

A handwritten signature in cursive script that reads 'Barney P. Popkin'.

Barney P. Popkin, CHMM, R.G.

Technical Manager

Enclosures: Inquiry submittal  
Letters from the Port and the Dolphin Swimming and Boating Club (an EQAC member)  
(12 stapled copies)

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## CALFED INQUIRY SUBMITTAL

July 28, 1997

- a. **Project Title and Applicant Name.** Coastal Waters Best Management Practices (BMP) Feasibility Study (FS), Fisherman's Wharf, San Francisco, California. Submitted by Tetra Tech EM Inc. and The Port of San Francisco
- b. **Project Description and Primary Biological/Ecological Objectives.** This FS project will identify and evaluate administrative and engineering BMPs strategies to improve the coastal marine water quality, health, and visual impact at Fisherman's Wharf. The Wharf refers to the waterfront area extending from Aquatic Park to Pier 39. The Wharf is owned by the Port of San Francisco (a department of the City and County of San Francisco) and operated by the Port, the City Department of Parks and Recreation (Parks and Rec), the San Francisco Maritime National Historic Park (SFMNHP), and the Golden Gate National Recreational Area (GGNRA). The GGNRA also owns and manages parklands and water areas (Aquatic Park lagoon) within the boundaries of the Wharf. The historic Wharf is home to commercial fishing and recreational boating fleets, commercial fish processing and distribution operations, some of San Francisco's best known restaurants, and several thousand recreational and competitive swimmers. Equally important, the area attracts several million tourists a year.

The primary objectives of the overall project are to improve the ecological, sanitary, and visual aspects of the Wharf's waters, making the area a more ecologically balanced, healthier, and attractive habitat and resource. Quantitative benefits are reduction of the observed water turbidity, decrease in hydrocarbon and nutrient releases, and a corresponding decline in oxygen demand which stresses saltwater aquatic life including fish, birds, seals, and sea lions. With these improvements, the waters will also provide a healthier swimming and recreational experience.

- c. **Approach/Tasks/Schedule.** The approach used to conduct this FS will be to identify and evaluate BMP strategies using existing information and corporate experience as described below. **Total schedule is five months.**

**FS Task 1. Identify and Refine Applicable BMP Strategies.** These strategies have largely already been identified or screened by the Port of San Francisco and the Fisherman's Wharf Environmental Quality Advisory Committee (EQAC). EQAC has accumulated relevant strategies, such as increasing tidal circulation, enhancing vessel bilge wastewater handling and pier/fish/boat washing operations, upgrading urban runoff/storm water and wastewater management, improving pier guttering and berming where activities occur that might adversely impact water quality, limit deleterious input of nutrients, control pollutant sources, establishing a boat repair area with minimal adverse water-quality impacts, and providing outreach to minimize water degradation. Schedule: **One month.**

**FS Task 2. Evaluate and Rank Applicable BMP Strategies.** This task includes evaluating the institutional and technical feasibility of permitting and implementing the strategies.  
Schedule: **Four months.**

The work accomplished in FS Tasks 1 and 2 will constitute the first phase of this project. A second phase, which will entail planning, design, permitting, and implementation, is beyond the scope of this proposal but may be considered a continuation of this FS.

- d. **Justification for Project and Funding by CALFED.** Because of CALFED's interest in enhancing the ecological and biological benefits to the Bay-Delta system, it is appropriate that CALFED consider supporting this project. The project would improve bay water quality, habitat, and recreational experiences of the Wharf. As an applicant, Tetra Tech EM Inc. is experienced in performing this work by virtue of its previous and ongoing work in San Francisco Bay. The project is technically feasible and builds on activities already planned by the Port and EQAC. The Port and other local agencies would be involved by providing staff time and meeting places for information exchanges. The FS is fully compatible with CALFED mission and objectives and would provide benefits to non-ecosystem CALFED objectives as well. Outcomes from the project are readily quantified, and the anticipated cost is relatively inexpensive.
- e. **Budget Costs and Third Party Impacts.** **FS Task 1:** Identify and Refine Applicable BMP Strategies. **\$5,000; FS Task 2:** Evaluate Rank Applicable BMP Strategies. **\$25,000.** The Port, EQAC, Parks and Rec, SFMNHP, and GGNRA will contribute some staff time for interviews, information exchanges, and meetings, and meeting space.
- f. **Applicant Qualifications.** Tetra Tech EM Inc. has been conducting coastal water and wastewater BMP and pollution prevention (P2) studies and implementing identified strategies for over 25 years, including over 10 years in San Francisco Bay. San Francisco Bay area projects include water and wastewater studies for the U.S. Navy at Alameda Naval Station, Concord Naval Weapons Station, Fleet Industrial Supply Center Oakland, Hunters Point Shipyard, Moffett Field, Skaggs Island, and Treasure Island, as well as P2 projects for the City and County of San Francisco (including The Port). Tetra Tech is also working on P2 projects for the City of Los Angeles, the Republic of Indonesia, the Philippines, as well as a major coral reef restoration in South East Asia.
- g. **Monitoring and Data Evaluation.** The progress of the project will be monitored by brief monthly reports to the funding agency.
- h. **Local Support/Coordination with Other Programs/Compatibility with CALFED Objectives.** The proposed FS and its implementation is consistent with CALFED objectives, The Port's Waterfront Land Use Plan, The Sustainability Plan for San Francisco, the California Enclosed Bays and Estuaries Plan, and the Water Quality Control Plan for the San Francisco Bay Basin, as well as with current policies of the local EQAC, Bay Conservation and Development Commission, Cal/EPA, U.S. Coast Guard, and U.S. EPA. This proposed work is fully supported by the Port and the EQAC (please see attachment letters).

PORT OF SAN FRANCISCO

June 22, 1997

Mr. Barney P. Popkin, CHMM, R.G.  
Tetra Tech EM Inc.  
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San Francisco, CA 94105



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San Francisco, CA 94111  
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Writer

**Subject: CALFED Inquiry Submittal, Coastal Water Best Management Practices (BMP) Feasibility Study (FS), Fisherman's Wharf, San Francisco, California by Tetra Tech EM Inc. and The Port of San Francisco**

Dear Mr. Popkin,

The Port of San Francisco is pleased to commit to Tetra Tech EM Inc. on an exclusive basis to join Tetra Tech EMI Inc. in the pursuit of the above referenced inquiry submittal, future formal proposals, and potential project implementation. Should your efforts to obtain funding for this project and its implementation be successful, the Port will make available, at no expense to the project, 1) access to Port reports, data, and, water that may be required for surveying or analysis; 2) personnel for interviews, information transfer, and meetings, and 3) meeting locations if needed.

We look forward to working with you and developing a successful inquiry, proposal, and project. To acknowledge agreement to the terms of this letter, please sign below.

Sincerely,

Roberta Jones  
Environmental Health and Safety Manager

AGREED AND ACCEPTED BY:

Barney P. Popkin, CHMM, R.G.

July 23, 1997  
Date



# **DOLPHIN SWIMMING AND BOATING CLUB, INC.**

*Organized 1877 • Incorporated 1888*

502 JEFFERSON STREET • AQUATIC PARK • SAN FRANCISCO, CALIFORNIA 94109 • (415) 441-9329

July 23, 1997

Douglas Wong  
Acting Executive Director  
Port of San Francisco  
Ferry Building  
San Francisco, CA 94111

RE: Coastal Waters Best Management Practices Feasibility Study  
Fisherman's Wharf San Francisco --Category III Funding

Dear Mr. Wong:

The Port of San Francisco and Tetra Tech EM, Inc. intend to submit for CalFed Category III funding, a proposal to conduct a Coastal Waters Best Management Practice Feasibility Study. The Dolphin Swimming and Boating Club provides this letter in strong support of that effort.

The feasibility study is the timely next step in carrying forward the mission and vision of the Fisherman's Wharf Environmental Quality Advisory Committee (EQAC). Convened and chaired by the Port, EQAC represents the diverse government, business and community interests which share jurisdiction and use of Fisherman's Wharf including Aquatic Park. As the manager of waterfront lands which form the interface between Bay waters and the urban watershed in Fisherman's Wharf, the Port is best positioned to lead efforts to restore and improve environmental conditions in the area.

Fisherman's Wharf is a stunning example of the intense and diverse uses to which the urban waterfront is put. Aquatic Park lagoon contains San Francisco's only public swimming beach and houses San Francisco Recreation and Parks Department only Bay swimming programs. The Municipal Pier, which forms the western boundary of Aquatic Park is the site of community and subsistence fishing, as well as intense recreational use. Hyde Street Pier, which forms the eastern boundary between Aquatic Park and Fisherman's Wharf Harbor, is the heart of the San Francisco Maritime National Historical Park's historic ships and maritime interpretive activities. Fisherman's Wharf Harbor houses San Francisco's world famous fishing fleet. Pier 45 adjacent to the Harbor is San Francisco's primary and growing hub for seafood handling and distribution. Approximately 6 million tourists visit this area annually, and provide vital jobs and revenue to the retail, hotel, restaurant and service industries in Fisherman's Wharf.

The principles which drive EQAC's mission include themes of sustainable development, urban watershed management, compatible use emphasis and environmental restoration and education. The stakeholders groups represented by EQAC include fisheries, Bay oriented recreation, community, governmental, and business interests.

We think it is important to provide our anecdotal view of the habitat importance of this area of the Bay. The Dolphin Club is located at the east end of Aquatic Park, directly adjacent to Hyde Street Pier and Fisherman's Wharf Harbor. Club users are acutely attuned to the marine environment in which they swim; many are daily users. Over the course of time, we have watched annual herring spawning in Aquatic Park lagoon (swimmers occasionally "catch" herring in their swim suits). In addition, casual fishing off the Dolphin Club pier has hooked perch, striped bass, smelt, salmon, and even flounder. Muni Pier provides subsistence fishing opportunities to the community for the same range of species. We share lagoon waters with a significant population of California sea lions and harbor seals. Fisherman's Wharf and Aquatic Park are also home to migratory waterfowl and other bird populations including night heron, egret, brown pelicans, ducks, etc.

In closing, we want to stress the importance of a healthy Bay to the continued human uses in Aquatic Park/Fisherman's Wharf. The health of the natural environment and communities is directly reflective of the health of the human community. If the former is permitted to decline, the latter will surely follow suit.

Very truly yours,



Meg Reilly  
Vice President

cc:  
Carol Bach  
Barney P. Popkin